

ABSTRACT

A signal encoding transmission apparatus has
layered encoding means of structuring a transmission
signal in a plurality of layers in a hierarchy, and of outputting
a plurality of compressed bit streams generated by encoding the
respective layered signals; and

modulating/transmitting means of (1) modulating each of
the output compressed bit streams by a modulation method
determined for each layer, and/or (2) transmitting the compressed
bit streams by using carriers determined for each layer.